

IFW

Docket No. 00SC134US9

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: DENATALE et al.

Examiner: Benny T. Lee

Serial No. 10/675,606

Art Unit: 2817

Filing Date: September 29, 2003

For: LOW LOSS RF MEMS-BASED PHASE SHIFTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

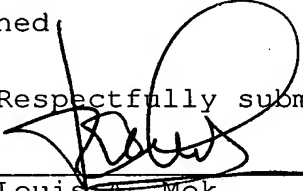
Sir:

Transmitted herewith is Supplemental Information Disclosure Statement for this application and a PTO Form 1449 with references.

If any additional fee is required, the Commissioner is authorized to charge Deposit Account No. 11-1580. A duplicate of this transmittal is attached.

Respectfully submitted,

Dated: March 7, 2005

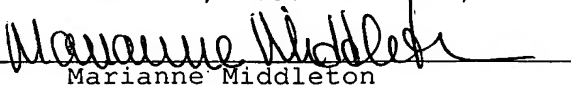
  
Louis A. Mok  
Registration No. 22,585  
Attorney for Applicant

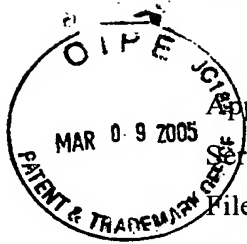
KOPPEL, JACOBS, PATRICK & HEYBL  
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service via first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

3/07/05  
Date

  
Marianne Middleton



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: DENATALE et al.

Serial No. 10/675,606

Group Art Unit: 2817

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Title: LOW LOSS RF MEMS-BASED PHASE SHIFTER

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P.O. Box 1450  
Alexandria, VA 22313-1450

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

This certification is being made for this Supplemental Information Disclosure Statement. Applicants submit a copy of each of the non-U.S. patent references listed on the attached PTO-1449 (Modified) form for consideration by the Examiner.

I, the person signing below certify that:

(a) each item of information contained in the supplemental information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the supplemental information disclosure statement (37 C.F.R. § 1.97(e)(1)); or

(b) no item of information contained in the supplemental information disclosure statement, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. § 1.97(e)(2).

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the

## CERTIFICATE OF MAILING

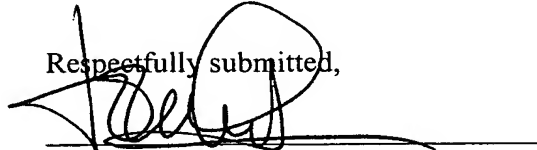
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3/07/05  
Date

Marianne Middleton

Office the relevant facts and law regarding the appropriate status of such documents.

Respectfully submitted,



March 7, 2005

Louis A. Mok  
Registration No. 22,585  
Attorney for Applicant

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Date

Marianne Middleton

FORM PTO 1449 (Modified)

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

Docket No.  
00SC134US9Application Number  
10/675,606Applicant  
DE NATALE, et al.Filing Date  
September 29, 2003Group Art Unit  
2817

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number							Date	Name	Class	Subclass	Filing Date If Appropriate
	6	2	2	5	6	9	2	5/01/01	HINDS	257	698	

## FOREIGN PATENT DOCUMENTS

	Document Number							Date	Country	Class	Subclass	Translation	
	WO	02	09	2	2	4	A1					Yes	No
	WO	02	09	2	2	4	A1	01/31/02	PCT			N/A	
	EP	0	70	99	1	1	A2	05/01/96	EUROPE			X	
	EP	0	84	03	9	4	A2	05/06/98	ERUOPE			X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	HARSH K F. et al., <u>FLIP-CHIP ASSEMBLY FOR SI-BASED RF MEMS</u> , MICRO ELECTRO MECHANICAL SYSTEMS, 1999. MEMS '99 TWELFTH IEEE INTERNATIONAL CONFERENCE ON ORLANDO, FL, USA 17-21, JAN. 1999 pp 273-278.
	2	KIM M. et al. <u>MEMS TRUE-TIME DELAY CIRCUIT FOR BROADBAND ANTENNAS</u> , IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM. 2001 DIGEST. APS. BOSTON, MA, JULY 8-13, 2001, NEW YORK, NY, IEEE, US, VOL. 3 OF 4, 7/8/01, pp. 662-665.
	3	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT (3 pages) 2/11/05.
	4	INTERNATIONAL SEARCH REPORT (4 pages) 2/11/05.
	5	PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, (5 pages) 2/11/05.
Examiner		Date Considered
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		